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The Method for attenuating a heat flow and apparatus for protecting a monitor operator

Abstract

The invention relates to fire-prevention equipment and may be applied for the protection of the equipment and people during fighting a fire, for dividing the area of buildings, ground and underground structures and apparatus into fire-checking section, preventing the fall of ceilings and intermediate floors, and stopping the spread of large fires destroying the environment. The objective of the present invention is to provide a higher efficiency method of attenuating energy flow in the form of light, heat and convective gas flows and designing of an apparatus attachable to the fire monitor for the forming of a protecting screen against thermal radiation, safe, convenient and reliable; and allowing to protect from light spectre radiation and convective gas flows. The method envisages the creation of curtain from a cooling liquid that is sprayed into the space between the surfaces. When more than one curtain is formed, a combined supply of cooling liquid is used. One of the curtains is made by spraying the liquid, whereas the others by supplying foam. The apparatus consists of a frame, a sprinkling assembly and nets attached at interval to the both sides of the frame. In the openings of the frame is equipped by sprayers.